



Resistors & Potentiometers

1/2W Metal Film Resistors

Detailed product specifications are available on: us.100y.com.tw



INTRODUCTION

MF series is a group of metal film resistors applying high Aluminum content base material vacuum sputtered by Ni-Cr alloy and excellent heat-and wet-proof special resin for protective coating. Those resistors are manufactured through integrated automatic production system and then have good stable and uniform property. Furthermore, they show excellent performance regardless open in air.

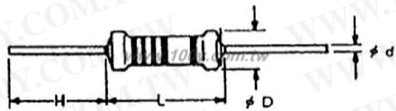
FEATURES

- High stability.
- Low noise, Low temperature coefficient.
- Precision characteristics.
- Variety of packaging-bulk, and taped, cut and formed supplied.

SPECIFICATION

TYPE		MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE		TYPE		DIMENSION(mm)			
MF	MFS			±1%(F)	±0.5%(D)	MF	MFS	L±1	D±0.5	H±3	d±0.05
1/2W	1/2W	350V	700V	10R~1M	10R~1M	1/2W	1W	9.0	3.2	30	0.6

DIMENSION



CHARACTERISTICS

CHARACTERISTIC	SPECIFICATION	TEST METHOD
DC RESISTANCE	Within specified tolerance	MIL-STD-202 Method 303
TEMPERATURE COEFFICIENT	As buyer requested ±10ppm/°C±50ppm/°C ±10ppm/°C±50ppm/°C	MIL-STD-202 Method 304
DIELECTRIC STRENGTH	No flashover or damage	MIL-STD-202 Method 301
INSULATION RESISTANCE	At least 1,000MΩ	MIL-STD-202 Method 302
CURRENT NOISE TEST	below 10K; below 0.05μ V/V 10K;~below 0.1μ V/V below 1M7 below 0.2μ V/V	MIL-STD-202 Method 308
VIBRATION	ΔR with in ±(0.25%+0.05Ω)	MIL-STD-202 Method 201
TERMINAL STRENGTH	Lead is not break or loose	MIL-STD-202 Method 211
RESISTANCE TO SOLDERING HEAT	ΔR with in ±(0.25%+0.05Ω)	MIL-STD-202 Method 210
SOLDERABILITY	At least 95% coverage	MIL-STD-202 Method 208
THERMAL SHOCK	ΔR with in ±(0.5%+0.05Ω)	MIL-STD-202 Method 107
SHORT TIME OVERLOAD	ΔR with in ±(0.05%+0.05Ω)	MIL-R-10509
HUMIDITY	ΔR with in ±(1%+0.05Ω) No mechanical damage	MIL-STD-202 Method 103
LOW TEMPERATURE OPERATION	Δ R with in ±(0.5%+0.05Ω)	MIL-R-10509
LOAD LIFE	Δ R with in ±(1%+0.05Ω)	MIL-STD-202 Method 108
RESISTANCE TO SOLVENT	Color bands legible No mechanical damage	MIL-STD-202 Method 215

Part No.	Product No.	Description	Resistance data(Ω)	Tolerance(+/-)	Power W
21751	RM02360KFT	Metal Film Resistor	360K ohm	+/-1%	1/2W
21710	RM0239K0FT	Metal Film Resistor	39K ohm	+/-1%	1/2W
40856	RM023E00FT	Metal Film Resistor	3Ω	+/-1%	1/2W
40857	RM023E30FT	Metal Film Resistor	3.3Ω	+/-1%	1/2W
21667	RM023K00FT	Metal Film Resistor	3K ohm	+/-1%	1/2W
21669	RM023K01FT	Metal Film Resistor	3.01K ohm	+/-1%	1/2 W
21671	RM023K24FT	Metal Film Resistor	3.24K ohm	+/-1%	1/2W
39557	RM023K30FT	Metal Film Resistor	3.3K ohm	+/-1%	1/2W
21673	RM023K41FT	Metal Film Resistor	3.41K ohm	+/-1 %	1/2W
21636	RM02402EFT	Metal Film Resistor	402 ohm	+/-1%	1/2W
21639	RM02412EFT	Metal Film Resistor	412ohm	+/-1%	1/2W
21642	RM02470EFT	Metal Film Resistor	470ohm	+/-1%	1/2W
21753	RM02470KFT	Metal Film Resistor	470K ohm	+/-1 %	1/2W
21584	RM0247E0FT	Metal Film Resistor	47 ohm	+/-1%	1/2W
21712	RM0247K0FT	Metal Film Resistor	47K ohm	+/-1%	1/2W
21647	RM02499EFT	Metal Film Resistor	499 ohm	+/-1%	1/2W
21755	RM02499KFT	Metal Film Resistor	470K ohm	+/-1 %	1/2W
21585	RM0249E9FT	Metal Film Resistor	49.9 ohm	+/-1%	1/2W
21586	RM0249E9FT	Metal Film Resistor	49.9 ohm	+/-1%	1/2W
21714	RM0249K9FT	Metal Film Resistor	49.9K ohm	+/-1%	1/2W
23313	RM024E70FT	Metal Film Resistor	4.7Ω	+/-1%	1/2W
21677	RM024K70FT	Metal Film Resistor	4.7K ohm	+/-1%	1/2W
21675	RM024K99FT	Metal Film Resistor	4.99K ohm	+/-1%	1/2W
16631	RM02510EFT	1/2W Metal Film Resistor	510Ω	±1%	1/2W
21588	RM0251E1FT	Metal Film Resistor	51.1Ω	+/-1%	1/2W
21589	RM0251E1FT	Metal Film Resistor	51.1 ohm	+/-1%	1/2W
21717	RM0251K0FT	Metal Film Resistor	51K ohm	+/-1%	1/2W
21591	RM0256E0FT	Metal Film Resistor	56 ohm	+/-1 %	1/2W
21649	RM02590EFT	Metal Film Resistor	590 ohm	+/-1%	1/2W
28785	RM025K10FT	Metl Film Resistor	5.1KΩ	+/-1%	1/2W
21679	RM025K60FT	Metal Film Resistor	5.6K ohm	+/-1%	1/2W
21651	RM02680EFT	Metal Film Resistor	680 ohm	+/-1%	1/2W

